

10PM 535

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MATERIAL SAFETY DATA SHEET PAGE: 1 DOW CHEMICAL U.S.A. MIDLAND MICHIGAN 48640 EMERGENCY PHONE: 517-636-4400

EFFECTIVE DATE: 27 JAN 82

PRODUCT CODE: 55596

PRODUCT NAME: METHYLENE CHLORIDE, VAPOR DEGREASING GRADE

INGREDIENTS (TYPICAL VALUES-NOT SPECIFICATIONS)

METHYLENE CHLORIDE, ESSENTIALLY

SECTION 1

PHYSICAL DATA

BOILING POINT: 104F (39.8C)

: SOL. IN WATER: 2.0 G/100G @ 25C

VAP PRESS: 340 MMHG @ 20C : SP. GRAVITY: 1.320 @ 25/25C VAP DENSITY (AIR=1): 2.93 : % VOLATILE BY VOL: 100 (ESSENTIALLY)

APPEARANCE AND ORDER: COLORLESS LIQUID

SECTION 2

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE METHOD USED: T.O.C. T.C.C. C.O.C.: LFL: 14.8% (25C) UFL: 25% (50C)

: FLAMMABLE LIMITS (STP IN AIR)

EXTINGUISHING MEDIA: WATER FOG.

SPECIAL FIRE FIGHTING EQUIPMENT AND HAZARDS: PRESSURE DEMAND SELF-CONTAINED RESPIRATORY EQUIPMENT.

SECTION 3

REACTIVITY DATA

STABILITY: ----

INCOMBATIBILITY: POSSIBLY MAGNESIUM, POTASSIUM, SODIUM. HAZARDOUS DECOMPOSITION PRODUCTS: OPEN FLAMES AND WELDING ARCS CAN CAUSE THERMAL DEGRADATION WITH THE EVOLUTION OF HYDROGEN CHLORIDE AND VERY SMALL AMOUNTS OF PHOSGENE AND CHLORINE. HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION 4

SPILL, LEAK, AND DISPOSAL PROCEDURES

ACTION TO TAKE FOR SPILLS (USE APPROPRIATE SAFETY EQUIPMENT): SMALL SPILLS: MOP UP, WIPE OR SOAK UP IMMEDIATELY. REMOVE TO OUT OF DOORS. LARGE SPILLS: EVACUATE AREA. CONTAIN LIQUID; TRANSFER TO CLOSED METAL CONTAINERS. KEEP OUT OF WATER SUPPLY. DISPOSAL METHOD: (IN ORDER OF PREFERENCE) SEND SOLVENT TO LICENSED RECLAIMER, INCINERATION, EVAPORATION OF VERY SMALL QUANTITIES, OR APPROVED LANDFILL BURIAL IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DUMPING INTO SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER IS STRONGLY

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MATERIAL SAFETY DATA SHEET PAGE: 3
DOW CHEMICAL U.S.A. MIDLAND MICHIGAN 48640 EMERGENCY PHONE: 517-636-4400

PRODUCT CODE: 55596
PRODUCT (CONT'D): METHYLENE CHLORIDE, VAPOR DEGREASING GRADE MSD: 0578

SECTION 6 FIRST AID--NOTE TO PHYSICIAN (CONTINUED)

NOTE TO PHYSICIAN: (CONTINUED)

SYSTEMIC: MAY CAUSE INCREASE IN CARBOXYHEMOGLOBIN LEVELS. MAY INCREASE
MYOCARDIAL IRRITABILITY. AVOID EPINEPHRINE OR SIMILAR DRUGS IF AT ALL
POSSIBLE. CONSULT STANDARD LITERATURE. NO SPECIFIC ANTIDOTE.
TREATMENT BASED ON THE SOUND JUDGMENT OF THE PHYSICIAN AND THE
INDIVIDUAL REACTIONS OF THE PATIENT.

SECTION 7 SPECIAL HANDLING INFORMATION

VENTILATION: RECOMMEND CONTROL OF VAPORS TO SUGGESTED GUIDES.
RESPIRATORY PROTECTION: APPROVED RESPIRATORY PROTECTION REQUIRED
IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. FOR EMERGENCIES, A
SELF-CONTAINED BREATHING APPARATUS OR A FULL-FACE RESPIRATOR
IS RECOMMENDED.

PROTECTIVE CLOTHING: NO SPECIAL PROTECTIVE CLOTHING NEEDED. EYE PROTECTION: SAFETY GLASSES WITHOUT SIDE SHIELDS. EYE WASH STATIONS AND SAFETY SHOWERS SHOULD BE READILY AVAILABLE.

SECTION 8 SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: EXERCISE REASONABLE CARE AND CAUTION. AVOID BREATHING VAPORS. STORE IN COOL PLACE. VAPORS OF METHYLENE CHLORIDE, VAPOR DEGREASING GRADE ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS SUCH AS PITS, DEGREASERS, STORAGE TANKS, AND OTHER CONFINED AREAS. DO NOT ENTER THESE AREAS WHERE VAPORS OF THIS PRODUCT ARE SUSPECTED UNLESS SPECIAL BREATHING APPARATUS IS USED AND AN OBSERVER IS PRESENT FOR ASSISTANCE.

ADDITIONAL INFORMATION: 27 JAN 82 REVISED FROM 22 SEP 81 -- SECTIONS 3, 5 AND 6.

LAST PAGE

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PRODUCT (CONT'D): METHYLENE CHLORIDE, VAPOR DEGREASING GRADE MSD: 0578

SECTION 4 SPILL, LEAK, AND DISPOSAL PROCEDURES (CONTINUED)
DISPOSAL METHOD: (CONTINUED)
DISCOURAGED, AND MAY BE ILLEGAL.

SECTION 5

HEALTH HAZARD DATA

INGESTION: LOW SINGLE DOSE ORAL TOXICITY. LD50 MALE RATS 1530 MG/KG. EYE CONTACT: CAUSES PAIN AND MODERATE IRRITATION, AND POSSIBLE TRANSIENT CORNEAL INJURY.

SKIN CONTACT: SHORT CONTACT - NO IRRITATION. PROLONGED OR FREQUENTLY REPEATED CONTACT - MODERATE IRRITATION. IF CONFINED TO SKIN - MAY CAUSE A BURN.

SKIN ABSORPTION: IS ABSORBED, BUT IS LOW IN TOXICITY BY THIS ROUTE. INHALATION: OSHA STANDARD 500 PPM. ACGIH TLV 100 PPM.

EFFECTS OF OVEREXPOSURE: CARBOXYHEMOGLOBIN LEVELS MAY BE ELEVATED. INCREASING SIGNS OF ANESTHESIA ABOVE 900 PPM IN THE ATMOSPHERE. CAN CAUSE DEATH IF TOO MUCH IS BREATHED.

SECTION 6

FIRST AID--NOTE TO PHYSICIAN

FIRST AID PROCEDURES:

EYES: IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15 MINUTES. REFER TO MEDICAL PERSONNEL.

SKIN: WASH OFF IN FLOWING WATER. DECONTAMINATE CLOTHING AND ACCESSORIES BEFORE REUSE. GOOD PERSONAL HYGIENE.

INHALATION: FAIREMOVE TO FRESH AIR IF EFFECTS OCCUR.

IF RESPIRATION STOPS, GIVE MOUTH-TO-MOUTH RESUSCITA-TION. CALL PHYSICIAN AND/OR TRANSPORT TO MEDICAL FACILITY.

TION. CALL PHYSICIAN AND/OR TRANSPORT TO MEDICAL FACILITINGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN OR

TRANSPORT TO EMERGENCY FACILITY.

NOTE TO PHYSICIAN:

EYES: MAY CAUSE IRRITATION. STAIN FOR EVIDENCE OF CORNEAL INJURY. IF CORNEA IS BURNED, INSTILL ANTIBIOTIC STEROID PREPARATION FREQUENTLY. CONSULT OPHTHALMOLOGIST.

SKIN: MAY CAUSE IRRITATION. CHRONIC EXPOSURE MAY CAUSE DEFATTING TYPE OF DERMATITIS. IF RASH IS PRESENT, TREAT AS ANY CONTACT DERMATITIS.

RESPIRATORY: ANESTHETIC OR NARCOTIC EFFECT MAY OCCUR. ADMINISTER OXYGEN IF AVAILABLE.

ORAL: MAY CAUSE CHEMICAL PNEUMONIA IF ASPIRATED INTO LUNGS. DANGER OF CHEMICAL PNEUMONIA MUST BE WEIGHED AGAINST TOXICITY WHEN CONSIDERING EMPTYING THE STOMACH. IF LAVAGE IS PERFORMED, SUGGEST ENDOTRACHEAL AND/OR ESOPHAGOSCOPIC CONTROL.

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